IN THE SPECIFICATION:

Please amend the Specification as follows.

Please amend the third full paragraph on Page 1 beginning on line 24 to read as follows:

Another known group of routing methods are the methods based on LLR algorithms (Least Loaded Routing, LLR), which are used in the present-day telephone network. They involve the problem that a direct connection is assumed to exist between all nodes in the network. Moreover, they do not take into account the asymmetry, which is typical of ATM connections. In ATM connections, outgoing traffic is often only a fraction of incoming traffic.

Please amend the fifth full paragraph on Page 4 beginning on line 22 and ending on Page 5, line 3 to read as follows:

In Fig. 1, an embodiment of the system of the invention is illustrated. An ATM network 1 and a network management centre 2 are connected together. The ATM network comprises a plurality of nodes [[100, 101, ..., -10n]] 100-104, which are connected to each other via links [[110, 111, ..., -11n]] 110-117. When an ATM call is to be started e.g. from node 100 to node 103, a procedure for determining an optimal route for the ATM call is activated. According to the invention, optimal routes are determined in a centralised manner in the network management centre 2, and the nodes [[100, 101, ..., -10n]] 100-104 apply the results of this optimisation in accordance with their own

condition. In addition, the nodes maintain statistics about the numbers of connection requests they receive, which are then transferred to the network management centre. This statistical information is utilised in the following optimisation calculations.